



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Michigan Department of Environment, Great Lakes, and Energy
Laboratory Services Section
Environmental Lab

Bottle Order Request - Water & Soil

Lab Work Order Number:	Lab Use Only	Filled By:	Lab Use Only	Filled Date:	Lab Use Only
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Order Date:		Select ONE of the following:	Pickup my Order:
			Ship my Order by:
Lab Policy requires minimum 5 Business Days for standard order fulfillment.			
* Requester Name:		* Shipper (if applicable):	
* Shipping Address 1:		* Account (if applicable):	
Shipping Address 2:		Tracking:	Lab Use Only
* City, State, Zip:			
* Phone:			
* Email:			
Contractor:			
* EGLE Division / Office:			
* Site / Project Name:			
* Site Code / Project No:			
* State Project Manager:			
* Denotes Required Information. These must be completed for order acceptance and fulfillment.			

Enter Order Quantities Below...					
Sample Container	Included Analyses	Quantity / Sample	Preservative "X" if required	Trip Blank Quantity	Order Quantity
WATER					
GN - 500 mL Plastic	OP, NO ₂ , SS, TDS, Turb, DOC	1			
MN - 500 mL Plastic	Alk, Cl, F, SO ₄ , Cr+6, pH, Cond	1			
GA - 500 mL Plastic	Cond, TOC, NH ₃ , NO ₃ +NO ₂ , KN, TP	1	H ₂ SO ₄ :		
MA / MAD - 500 mL Plastic	Total & Dissolved Metals	1	HNO ₃ :		
GB - 250 mL Plastic	Total Cyanide, Available Cyanide	1	NaOH:		
CA - 500 mL Plastic Amber	Chlorophyll	1	MgCO ₃ :		
LHg - 500 mL Glass	Low Level Mercury	1			
VOA - 40 mL Vial	Volatiles, BTEX/MTBE/TMB, Chlorinated	3	HCl:		
1,4 Dioxane - 40 mL Vial	1,4 Dioxane	2	HCl:		
GRO - 40 mL Vial	Gasoline Range Organics (GRO)	2	HCl:		
METH - 40 mL Vial	Methane, Ethane, Ethene	2	HCl:		
Semi Volatiles - 1 L Amber	Pesticides/PCBs, Toxaphene, Chlordane, DRO/ORO, BNA/PNA/Fingerprint	*See 11 on Page 2			
PFAS 8327 - 15 mL Test Tubes	PFAS - EPA 8327	3			
SOIL / SEDIMENT					
MS / GS - 8 oz Jar	Metals, CN, COD, TOC, KN, TP	1			
Semi Volatiles - 8 oz Jar	Pesticides/PCBs, Toxaphene, DRO/ORO, BNA/PNA/Fingerprint	1			
VOA MeOH - 40 mL Vial	Volatiles, BTEX/MTBE/TMB, Chlorinated, GRO, 1,4-Dioxane	Order Soil VOA Methanol Kits on the Field Supply Request form (EQP4037) 1 kit per sample			
MISCELLANEOUS					
Cooler (Supplies may be limited based on availability at the time of order)					
Sample Container Labels are included. See bottom of form for additional Collection & Preservation information. Note the URGENT/RUSH Analyses must be pre-approved by an EGLE Project Manager and the EGLE Laboratory. * * * DO NOT PRE-PRESERVE BOTTLES BEFORE FILLING * * *					
Submit completed form to egle-essd-lab-bottles@michigan.gov					

Bottle Order Request - Water & Soil

Collection & Preservation			
Bottle	Notes	Preservation & Storage	Maximum Holding Time
WATER			
GN - 500 mL Plastic	1, 8	Cool, ≤ 6°C	2, 7, 28 days
MN - 500 mL Plastic	2	Cool, ≤ 6°C	15 min, 24 hrs, 2, 14, 28 days
GA - 500 mL Plastic	3, 8	H ₂ SO ₄ to pH < 2 (10 drops / 500 mL), Cool, ≤ 6°C	28 days
MA / MAD - 500 mL Plastic	4, 8	1:1 HNO ₃ to pH < 2(5 mL / 500 mL), Cool, ≤ 6°C	180 days
GB - 250 mL Plastic	5	10N NaOH to pH 12 (10 drops / 250 mL), Cool, ≤ 6°C	14 days
CA - 500 mL Plastic Amber	6	MgCO ₃ (5 drops / 250 mL), Cool, ≤ 6°C	2 days
LHg - 500 mL Glass	7	Lab Preserved	90 days
VOA - 40 mL Vial	9	HCl to pH < 2 (5 drops / 40 mL), Cool, ≤ 6°C	14 days
1,4 Dioxane - 40 mL Vial	9	HCl to pH < 2 (5 drops / 40 mL), Cool, ≤ 6°C	14 days
GRO - 40 mL Vial	9	HCl to pH < 2 (5 drops / 40 mL), Cool, ≤ 6°C	14 days
METH - 40 mL Vial	10	HCl to pH < 2 (5 drops / 40 mL), Cool, ≤ 6°C	14 days
Semi Volatiles - 1 L Amber	11	Cool, ≤ 6°C	7 days
PFAS 8327 - 15 mL Test Tubes	12	Cool, ≤ 10°C	14 days
SOIL / SEDIMENT			
MS / GS - 8 oz Jar	13	Cool, ≤ 6°C	14, 28, 180 days
Semi Volatiles - 8 oz Jar	14	Cool, ≤ 6°C	14 days
VOA MeOH - 40 mL Vial	15	MeOH (10 mL/10g), Cool, ≤ 6°C	14 days

- GN includes: Ortho-Phosphate, Nitrite, Turbidity (2 days), Suspended Solids, Dissolved Solids (7 days).
- MN includes: pH (<15 min), Chromium 6 (24 hrs), Alkalinity (14 days), Chloride, Fluoride, Sulfate, Conductivity (28 days).
- GA includes: COD, TOC, NH₃, NO₃+NO₂, KN, TP (28 days).
- MA/MAD includes: Mercury (28 days), All metals except Mercury (180 days). If field filtration for dissolved metals is not possible, send unpreserved sample to the lab within 24 hrs of collection for lab filtration and preservation.
- GB includes: Total or Available Cyanide (14 days, 24 hrs if sulfides present). Chlorinated samples must be dechlorinated with ascorbic acid (0.6g/L) upon collection followed by preservation with NaOH.
- CA includes: Chlorophyll (2 days). If sample is filtered upon collection and filter is added to 90% Acetone and refrigerated, hold time is one month. Store filtered sample in the dark on ice.
- LHg includes: Low Level Mercury (90 days if preserved with Bromine Chloride within 28 days of sample collection). Samples for Low Level Mercury should be preserved at the lab. Clean hands dirty hands technique should be used for sample collection.
- Samples requiring Dissolved analyses must be filtered through a 0.45 um filter followed by preservation. If field filtration is not possible, send unpreserved sample to the lab within 24 hrs for lab filtration and preservation.
- Fill vial completely (No Air Bubbles) and ensure Teflon side of septum faces sample. 3 vials required for VOAs.
- METH includes: Methane, Ethane, Ethene (Ethylene) (14 days).
- Semi Volatiles includes: Pesticides, PCB, BNA, PNA, BN, Acids, DRO, ORO (7 days).
 - Collect 2 ambers if **one of the following** is requested: Pesticides/PCB or BNA/PNA/BN/Acids or DRO/ORO.
 - Collect 3 ambers if **two of the following** are requested: Pesticides/PCB or BNA/PNA/BN/Acids or DRO/ORO.
 - Collect 4 ambers if **all three of the following** are requested: Pesticides/PCB and BNA/PNA/BN/Acids and DRO/ORO.
- PFAS 8327 includes: 3 sample collection tubes per field sample. Equipment Blank Kits can be ordered through the Field Supply Request form (EQP4037) as needed.
- MS/GS includes: Total/Available Cyanide (14 days), COD, TOC, KN, TP, Mercury (28 days), All metals except Mercury (180 days).
- Semi Volatiles includes: Pesticides, PCB, BNA, PNA, BN, DRO, ORO (14 days)
- VOA MeOH includes: Volatiles, BTEX/MTBE/TMB, Chlorinated, GRO, 1,4-Dioxane in soil/sediment (14 days). Weigh 10 gm of soil and add to preweighed 40 mL vial. Add 10 mL methanol to the vial. Fill the syringe with soil/sediment sample, cap and label.